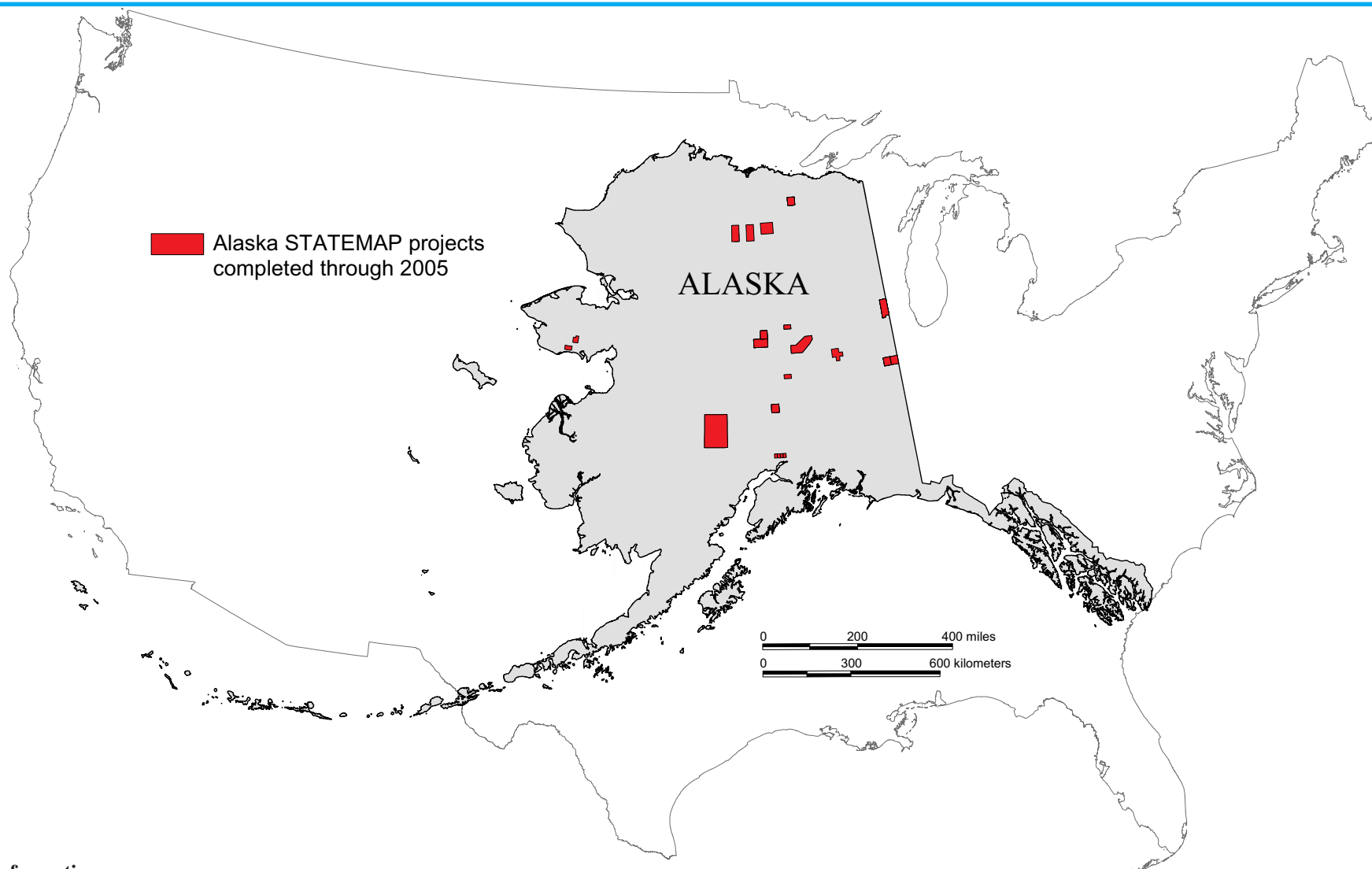


National Cooperative Geologic Mapping Program

STATEMAP Component: States compete for federal matching funds for geologic mapping



Contact information

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SUMMARY OF STATEMAP GEOLOGIC MAPPING PROGRAM IN ALASKA

Federal Fiscal Year	Project	State funds	Federal funds	Total
1993	Castle Mountain Fault System, northern halves of Anchorage C-7 and C-8 quadrangles	59,570	51,993	111,563
1994	Charley River C-1 and D-1 quadrangles Access Corridor	50,779	50,000	100,779
1995	Fairbanks Urban Area & Mining District	31,379	30,000	61,379
1996	Rampart Mining District, Tanana B-1 Quadrangle	106,041	98,817	204,858
1996	Digital Compilation of eastern half McGrath Quadrangle	40,158	39,865	80,023
1997	Rampart Mining District, Tanana A-1 and A-2 quadrangles	120,564	118,400	238,964
1998	Upper Chulitna Mining District, Healy A-6 Quadrangle	122,322	121,500	243,822
1999	Sagavanirktok B-1 Quadrangle	276,220	125,000	401,220
2000	Fortymile Mining District, Eagle A-2 Quadrangle	140,413	130,000	270,413
2001	Philip Smith C-5 Quadrangle with portions of surrounding quadrangles	150,636	149,640	300,276
2001	Fortymile Mining District, Eagle A-1 Quadrangle	106,571	106,403	212,974
2001	Enter DGGs maps into NGMDB	7,567	8,731	16,298
2002	Salcha River-Pogo: Circle C-3, SW¼ C-2, NW¼ B-3 quads	252,917	252,903	505,820
2003	Kanayut River: Chandler Lake B-2 and C-2 quadrangles	155,569	150,844	306,413
2003	Livengood SE C-4, SW C-3 quadrangles	90,915	85,069	175,984
2004	Council mining areas, Solomon Quadrangle	145,276	145,258	290,534
2004	Tiglukpuk Creek: Eastern Chandler Lake B-4 Quadrangle	107,666	107,588	215,254
2005	Siksikpuk River: Chandler Lake B-4 & C-4 quadrangles	144,754	144,507	289,261
2005	Liberty Bell area, southern Fairbanks A-4 Quadrangle	81,583	81,561	163,144
TOTALS		\$2,183,333	\$1,989,332	\$4,172,665

Alaska STATEMAP fact sheet (FY2006)

Since 1993, the National Cooperative Geologic Mapping Program through STATEMAP has made a significant contribution to expanding geologic knowledge in Alaska where current geologic mapping is limited or nonexistent. Alaska is endowed with a rich resource potential, and because of that, our economy is resource based, the region supplies a significant portion of the nation's energy and mineral resources, and our STATEMAP projects are primarily directed toward modern mapping and analysis in areas of high potential to help meet the needs of the state, and the nation. For example, Alaska is the only state developing new, large mineral deposits, yet less than 10 percent of Alaska land has been geologically mapped at a scale of 1 inch = 1 mile or better. STATEMAP is helping to expand that coverage where it is needed for future resource-exploration and development projects, construction-materials evaluation, and geologic hazards identification. Through 2005, as part of this program, the Alaska Division of Geological & Geophysical Surveys (ADGGS) has completed new geologic mapping for 5,505 square miles of Alaska.

STATEMAP projects conducted by ADGGS have mapped portions of strategic commercial access corridors, mining districts, and frontier oil and gas provinces. Products of these projects have contributed to increased oil and gas lease sales on the North Slope, mineral exploration in the Fairbanks, Rampart, Chulitna, and Pogo mining districts, and

have helped Alaska Native corporations evaluate the mineral resources of their lands. Recent leases purchased in the area of ADGGS STATEMAP projects in the Brooks Range foothills of the North Slope may lead to gas discoveries that will increase the national reserve base. In FY2006, ADGGS will use STATEMAP funds to perform geologic mapping of 580 square miles in the eastern Brooks Range foothills in support of North Slope oil and gas exploration, and to map an area totaling 268 square miles in the Council mining district on the Seward Peninsula.

Users of recent ADGGS STATEMAP products attest to their benefits for addressing particular needs: "The [STATEMAP] work being conducted by ADGGS has been of high value to the exploration industry and is a significant encouragement for investment in the State. The quality of the ADGGS work and the focus on value added information for the natural resource sector is unmatched by any other governmental agency we work with in North America." –*AngloGold Ashanti*. "BSNC has greatly benefited from previous DGGs mapping programs. In the Nome area, we have used the [STATEMAP] bedrock geology map to help locate gravel sources that were developed to upgrade the Nome Airport." –*Bering Straits Native Corporation*.

March 2006